150 **Data Source Process** AIPC library 410 AIPC read API (control) AIPC AIPC write API (status) write API (data) Status format/ 100 specific Control command parse format module delivery tokenized data stream status info 450 IDDS library Config API 418 Control/Status API Post Data I/O rec Chit files Flow 442 select Start/stop Status module module control Crit file Data I/O Config I/F 430 anno-I/F Control/Status I/F User application tate libc device device User Space ioctl ioctl write read Kernel Space 110 System Call 150 Branch Table 460 462 Data I/F 310 Control/ Config 160 Pseudo-driver 155 IDDS Data 464 User Status Record Syscall code Collection l/F 370 record retrieval 130 pre-syscall writes VF. selection mask scall zoo state 210 224 syscall params full pathname **IDDS** stub state info calls 165 IDDS selection, flow settings records control requests **IDDS** Data en/ post-syscall Delivery selection mask 140 170 data Zzž storage 352 328 360 Flow Record Config Control/ Config Record mgmt gen control delivery Status I/F

350

IDDS Management Module 300

Figure 1: IDDS Architecture Block Diagram